



## First Trimester Screening Report

# MAHAJAN

**DR. SANDIP MAHAJAN** MBBS DMRD  
CONSULTING RADIOLOGIST  
AND SONOLOGIST

DIGITAL X-RAY & ULTRASOUND,  
COLOUR DOPPLER,  
AND 4D SONOGRAPHY CLINIC

**MRS ASHWINI SANESAR**

Date of birth : 05 May 1993, Examination date: 12 March 2025

Address: PYRAMID 5 BESA ROAD  
NAGPUR  
INDIA

Mobile phone: 9021114462

**Referring doctor:** DR ANAMIKA NANDAGAVLI

### Maternal / Pregnancy Characteristics:

Racial origin: South Asian (Indian, Pakistani, Bangladeshi).

Maternal weight: 52.0 kg; Height: 152.0 cm.

Smoking in this pregnancy: no; Diabetes Mellitus: no; Chronic hypertension: no; Systemic lupus erythematosus: no; Antiphospholipid syndrome: no; Patient's mother had preeclampsia: no.

Method of conception: Spontaneous;

**Last period:** 15 December 2024

EDD by dates: 21 September 2025

### First Trimester Ultrasound:

US machine: CANON APLIO A. Visualisation: good.

**Gestational age:** 11 weeks + 6 days from CRL

EDD by scan: 25 September 2025

Findings	Alive fetus	
Fetal heart activity	visualised	
Fetal heart rate	164 bpm	
Crown-rump length (CRL)	53.0 mm	
Nuchal translucency (NT)	1.2 mm	
Ductus Venosus PI	0.810	
Placenta	Right posterior	
Amniotic fluid	normal	
Cord	3 vessels	

### Chromosomal markers:

Nasal bone: present; Tricuspid Doppler: normal.

### Fetal anatomy:

Skull/brain: appears normal; Spine: appears normal; Heart: Appears Normal; Abdominal wall: appears normal; Stomach: visible; Bladder / Kidneys: visible; Hands: both visible; Feet: both visible.

**Comments:** 12 WKS 2 DAY NORMAL FETUS.

**Uterine artery PI:** 1.14

**Endocervical length:** 39.0 mm

### Risks / Counselling:

Patient counselled and consent given.

Operator: sandip mahajan, FMF Id: 210083

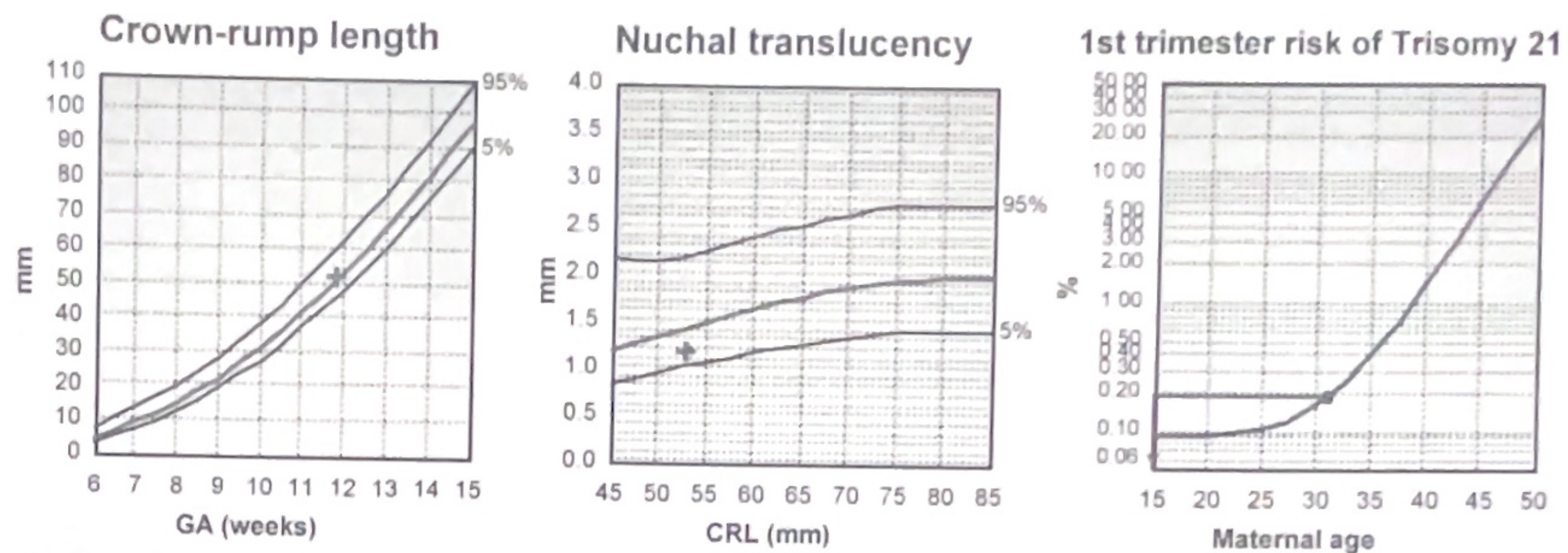
Condition	Background risk	Adjusted risk
Trisomy 21	1: 486	1: 2428
Trisomy 18	1: 1123	1: 3402
Trisomy 13	1: 3539	<1: 20000



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The background risk for aneuploidies is based on maternal age (31 years). The adjusted risk is the risk at the time of screening, calculated on the basis of the background risk and ultrasound factors (fetal nuchal translucency thickness, fetal heart rate).

The estimated risk is calculated by the FMF-2012 software (version 2.81) and is based on findings from extensive research coordinated by the Fetal Medicine Foundation (UK Registered charity 1037116). The risk is only valid if the ultrasound scan was performed by a sonographer who has been accredited by the Fetal Medicine Foundation and has submitted results for regular audit (see [www.fetalmedicine.com](http://www.fetalmedicine.com)).







## perinatology.com

Crown Rump Length and Nuchal Translucency

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[Home](#) > [Calculators](#) > Crown Rump Length and Nuchal Translucency

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For the crown rump length (CRL) of 53 mm the predicted gestational age is 12 weeks 0 days. The expected nuchal translucency (NT) is 1.48 mm (50th percentile)

Your measured NT value is 30 percentile for this CRL.

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References:

LN (MA) =  $1.684969 + (.315646 \text{ CRL}) - (.049306 \text{ CRL}^2) + (.004057 \text{ CRL}^3) - (.000120456 \text{ CRL}^4)$

Hadlock FP et. al., Fetal crown-rump length: reevaluation of relation to menstrual age (5-18 weeks) with high-resolution real-time US. Radiology. 1992 Feb;182(2):501-5. PMID: 1732970

NT(mm) =  $0.437 + .01969 * \text{CRL}$  SD = .558

Chung JH, et al., The distribution of fetal nuchal translucency thickness in normal Korean fetuses. J Korean Med Sci. 2004 Feb;19(1):32-6. PMID: 14966338

Enter the CRL and press calculate to obtain the estimated gestational age and expected nuchal translucency thickness. The calculator will also give the percentile for a measured NT if entered for CRL 40 to 85 mm.

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Enter crown rump length (CRL) 53 mm

Enter Nuchal translucency ( NT) 1.20 mm

Calculate

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All calculations must be confirmed before use. The suggested results are not a substitute for clinical judgment. Neither Perinatology.com nor any other party involved in the preparation or publication of this site shall be liable for any special, consequential or exemplary

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**PATIENT NAME : MRS ASHWINI SANESAR**  
**REF BY : DR ANAMIKA NANDAGAVALI**

**12-MAR-25**

**NUCHAL TRANSLUCENCY SCAN**

- Uterus is enlarge in size and shows single intra uterine fetus
- Single viable fetus and cardiac activity seen
- CRL measures 53 mm corresponds to gestational age of 12 wk 0 days
- BPD,AC,FL correspond to 12 wk 2 days
- Gestation age by LMP is 12 wk 3 days
- Placenta Right Posterior extensive , cord insertion on placenta, cord three vessel
- Both renal artery seen
- Heart four chamber
- Stomach bobble seen
- Both lower and upper limb with both foot and hand seen finger and toe anomaly not possible to demonstrate
- Spine well visualized appears normal
- Anterior abdominal wall intact
- Nuchal translucence Is 1.20 mm [ 30<sup>TH</sup> percentile ]
- No evidence of tricuspid regurgitation seen
- Nasal bone seen
- Ductus venous flow is normal
- No evidence of retrochorionic collection seen.
- No evidence of collection seen in cul di sac
- Internal os closed , cx measure 3.9 cm.
- Approximate date of delivery is 22 SEPT 2025
- **Right uterine artery shows diachrotic notch**

RT UT ART PI	LT UT ART PI	PERCENTILE	AVERAGE PI	RESULT
1.56	0.72	07	1.14	NORMAL

- I declare that while undergoing ultrasonography/image scanning on patient neither detected nor disclose the sex of foetus to anybody in any manner

Signed By  
Dr. Sandeep Mahajan

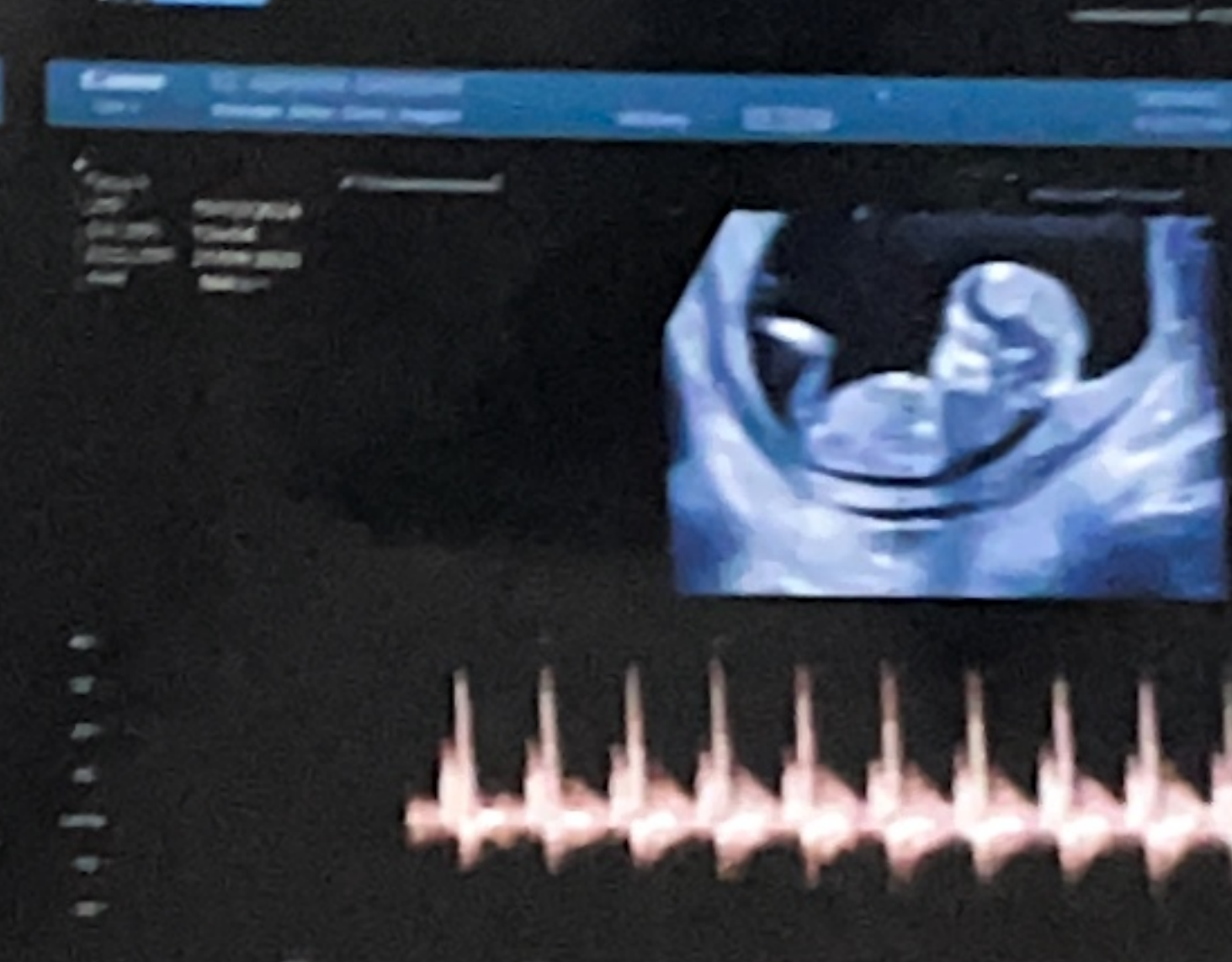
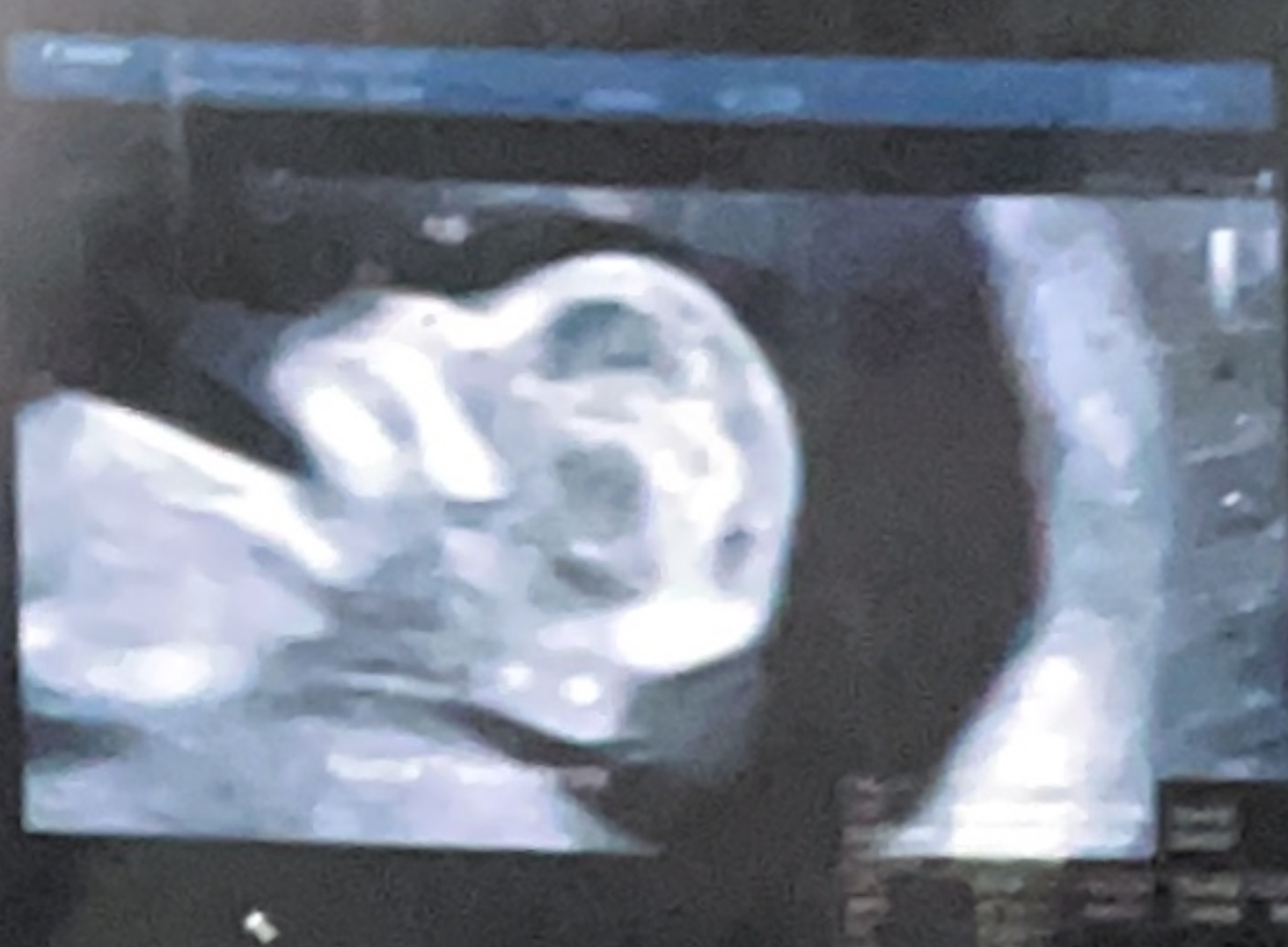
**FMAFID**  
**210083**



# MAHAJAN X-RAY & 4D COLOUR DOPPLER CLINIC

12 Mar 2025 Study OB  
Name ASHVINI BANESAR

Ref by DR ANAMIKA NANDAGAWALI





**MAHAJAN X-RAY & 4D COLOUR DOPPLER CLINIC**

12 Mar 2025 Study : OB  
Name : ASHWINI SANESAR

Ref by DR ANAMIKA NANDAGAWALI

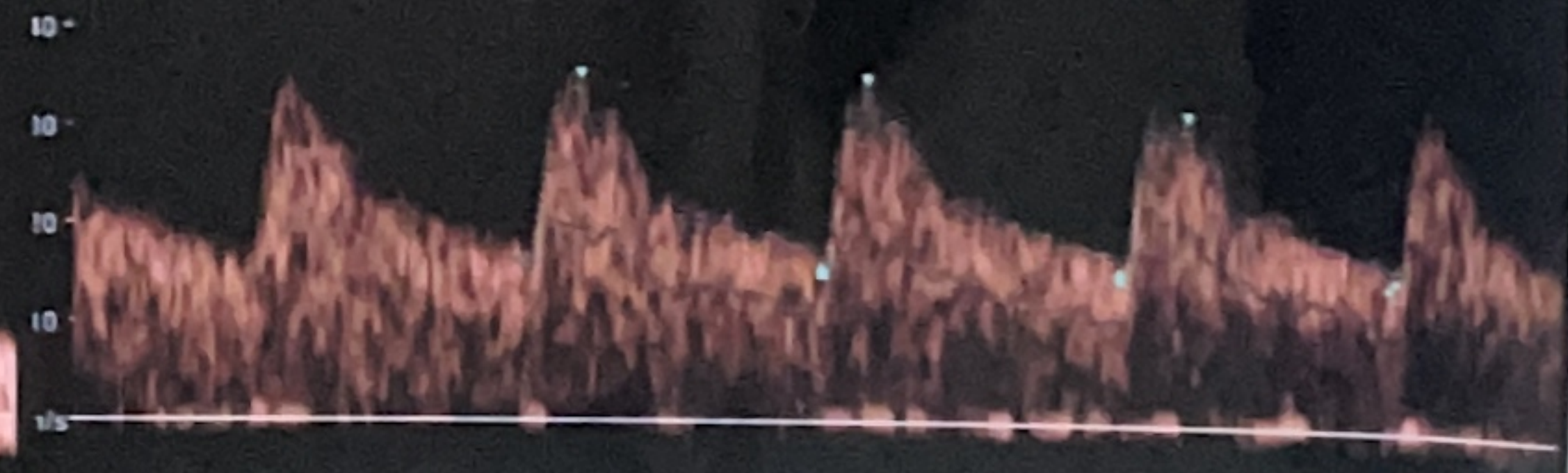
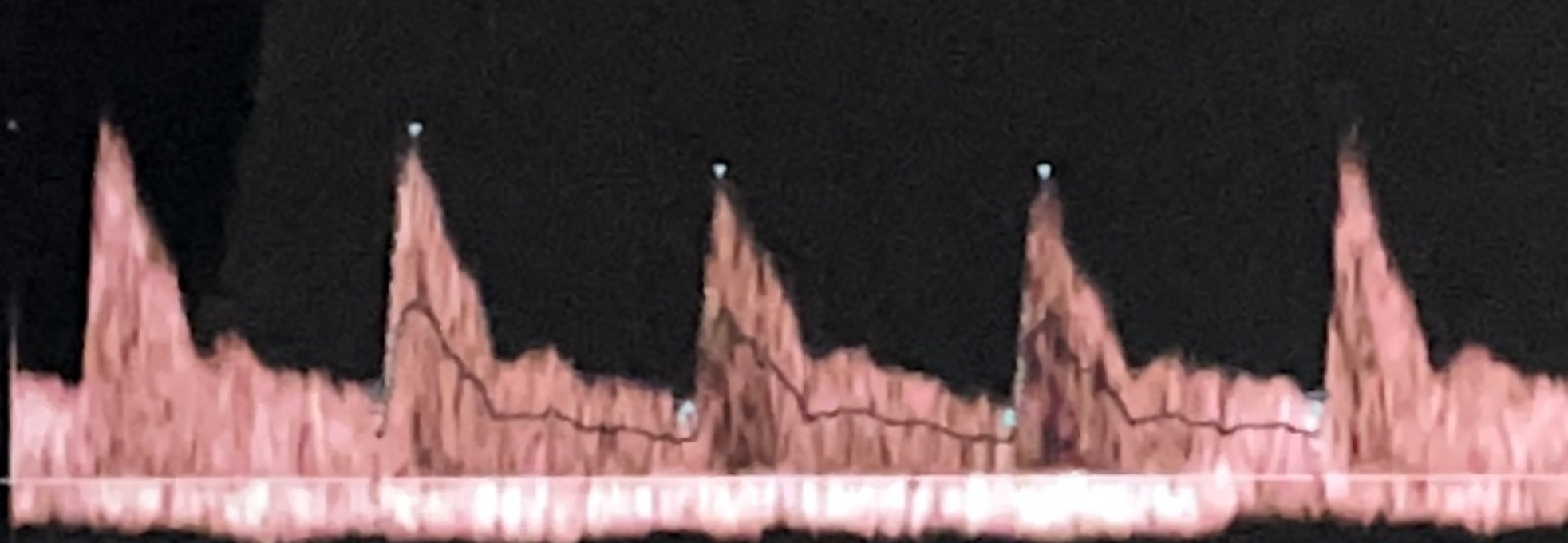


Item	Date	Description	Quantity	Unit Price	Total Price
LTD	15/12/2024	GA, LSP	12x1d		
BPD	21/09/2025	GA	12x1d		
UO EDO	21/09/2025				
CRL	51.9mm	(Paddock)	12x1d	+2.50m	
BPD	17.1mm	(Paddock)	12x1d	26m	
AG	51.3mm	(Paddock)	12x1d	49m	

Fetus A	
LMP	15/12/2024
GA(LMP)	12w3d
EDD(LMP)	21/09/2025
FHR	164bpm
Rt Uterin A	
PI(Ved)	1.56
R(Ved)	0.75
Vp	-28.6cm/s
Ved	-7.2cm/s
Vmin	-7.1cm/s
Vm_peak	-13.7cm/s
Vm_mean	-6.9cm/s
S/D	3.97



Fetus A	
LMP	15/12/2024
GA(LMP)	12w3d
EDD(LMP)	21/09/2025
FHR	164bpm
Lt Uterin A	
PI(Ved)	0.72
RI(Ved)	0.50
Vp	32.5cm/s
Ved	16.4cm/s
Vmin	16.3cm/s
Vm_peak	22.5cm/s
Vm_mean	14.0cm/s
S/D	1.98
Mean Lt A PI	1.14



Fetus A	
LMP	15/12/2024
GA(LMP)	12w3d
EDO(LMP)	21/09/2025
DV	
S	-27.2cm/s
D	-26.1cm/s
a	-10.7cm/s
vm_peak	-20.2cm/s
HR	92bpm
PiV	0.817
PvIV	0.632
aIS	0.393
S/a	2.542



GA	12w2d	GA(LMP)	12w3d	LMP	15/12/2024
EDD	22/09/2025	EDD(LMP)	21/09/2025		

		M1	M2	M3
R	164 bpm	164		Ave

		M1	M2	M3	Age	
BPD (Hadlock)	17.1 mm	18.3	17.1	12w4d	28%tile	11w
AC (Hadlock)	51.3 mm	51.3		12w1d	49%tile	10w
FL (Hadlock)	8.5 mm	8.5		12w4d	47%tile	11w
CRL (Hadlock)	53.9 mm	52.2	53.9	12w0d	<2.5%tile	11w
NT	1.20 mm	1.20				
NB (Sonek)	3.09 mm	3.09		13w0d	59%tile	1.8
Cervix Len	39.4 mm	39.4				

Ratio	Ratio	Range
Y/BPD	NOT VALID	71.0 - 87.0
Y/AC	NOT VALID	